	Application No.	Applicant(s)
Notice of Allowability	10/658,663	KADAMBI ET AL.
	Examiner	Art Unit
	Stephen Elmore	2186

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the application filed 9/8/2003*.

2. ☒ The allowed claim(s) is/are *1-10*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

       Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

S C Elmore   9/30/2005
STEPHEN C. ELMORE
PRIMARY EXAMINER

EXAMINER'S AMENDMENT/COMMENT and REASONS FOR ALLOWANCE

1.   An examiner's amendment to the record appears below. Should the changes and/or additions

be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure

consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with

Applicant's representative under 37 CFR § 1.34(a), Mr. Forrest Gunnison, Reg. No. 32,899, on

September 30, 2005.

3.   The application has been amended as follows:

IN THE CLAIMS

        In Claim 1, line 12, replace "a decoded miss state condition ID" with,

                --a decoded miss state condition identification (ID)--;

        In Claim 6, page 38, line 9, replace "a cache miss ID" with,

                --a cache miss identification (ID)--.

Drawings

4.   The drawings received on February 2, 2004 are <u>approved</u>.

REASONS FOR ALLOWANCE

5.   The following is an examiner's statement of reasons for allowance:

        In independent claims 1 and 6 directed towards a method for avoiding cache pollution in a

microprocessor system and a microprocessor system for avoiding cache pollution the following features

taken in combination with the remaining limitations of the independent claims are not found in and or

are not obvious in view of the prior art of record,

Claim 1,

        "logically combining said dependency state condition and said decoded miss state condition ID"

and "quashing execution of said second load instruction if said logically combining results in a true
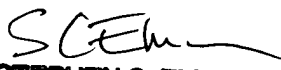
condition";

Claim 6,

"a logical combining gate having a gate first input coupled to said dependency state condition

between said first load instruction and said second load instruction stored in said dynamic memory

dependency table, said logical combining gate having a gate second input coupled to said cache miss ID

decode output of said cache miss ID decode unit, said logical combining gate having a gate output" and

"wherein said instruction scheduler squashes execution...whenever said output of said logical combining

gate is true".

6.   Any comments considered necessary by applicant must be submitted no later than the payment

of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such

submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

        Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Stephen Elmore whose telephone number is (571) 272-4436. The examiner can

normally be reached on Mon-Fri from 9:30-6:00.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Matthew Kim can be reached on (571) 272-4182. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

        Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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                                        STEPHEN C. ELMORE
                                        PRIMARY EXAMINER

                                Computer Architecture - Memory Access & Control

September 30, 2005